TECHNICAL DATA SHEET



QSil Smooth Coat RT Room Temperature Cure, Top Matte Silicone Coating

Description

This is a two-component, low friction, translucent, matte finish coating. This material can be applied via spraying, brushing, or dip-coating on surfaces that are untreated or free of dust and grease. This material is excellent for orthopedic devices, special effects or where a smooth finish is needed.

Key Features

- Room temperature cure
- Reduces the coefficient of friction (CoF)
- Pigmentable
- Can be applied by spraying, brushing, or dipping

Key Applications

- Prosthetics
- Special effects

Application

QSil Smooth Coat RT is a top matte silicone coating designed for orthopedic devices, special effects or where a smooth finish is needed. The matte finish can be cured at room temperature or quickly at high temperatures.

Use and Cure Information

MIXING

Both A and B should be thoroughly mixed prior to use. These should be thoroughly mixed using a 1:1 ratio by weight or by volume. Once the components are mixed the curing process begins. In order to achieve optimum performance, the same "A" and "B" side lot number should be used.

Test Method Value Property **Uncured Product** Color Translucent Color A Clear to translucent Color B Translucent Cure Type Addition Gel Time at 25°C/77°F 15 minutes Mix Ratio By Weight 1:1 Specific Gravity A 0.97 Specific Gravity B 1.04 Viscosity A Brookfield 25 cP Viscositv B Brookfield 230 cP Viscosity Mixed Brookfield 130 cP **Cured Product** Max Working Temp 150 °C / 302 °F Min Working Temp -55 °C / -67 °F Storage Max Storage 25 °C / 77 °F Temperature Shelf Life 24 mths

DE-AERATION

Air trapped during mixing should be removed to eliminate voids in the cured product. Vacuum de-airing may be necessary to completely remove all entrapped air bubbles. To ensure proper de-airing, subject the mixed material to 29 inches of mercury.

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